Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/30/2019 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125204	0	2.51	125217	2.51
Blue	F	SSC	125000	123953	-1	1.55	124734	1.51
Blue	E	FITC	16122	15750	-3	2.95	344	19.59
Blue	D	PE	29316	28893	-2	2.21	629	14.29
Blue	B	PerCP-Cy5-5	42590	42304	-1	3.82	1138	20.14
Blue	A	PE-Cy7	33146	32697	-2	6.08	629	39.30
Red	C	APC	45473	45119	-1	2.57	1605	12.09
Red	A	APC-Cy7	31961	31046	-3	2.56	818	11.96
Violet	B	V450	7914	7533	-5	4.02	422	13.27
Violet	A	V500	29769	28468	-5	3.79	662	10.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21430	3.63	604	4	N/A	N/A	Pass
Blue	F	SSC	56320	1.26	544	6	N/A	N/A	Pass
Blue	E	FITC	63	63.54	537	0	0.0217	186	Pass
Blue	D	PE	131	49.42	539	2	0.1888	327	Pass
Blue	B	PerCP-Cy5-5	210	49.06	639	1	0.0093	56	Pass
Blue	A	PE-Cy7	115	97.54	692	1	0.0117	13	Pass
Red	C	APC	381	25.18	585	6	0.0245	152	Pass
Red	A	APC-Cy7	181	28.47	561	5	0.0056	928	Pass
Violet	B	V450	66	59.30	462	2	0.0491	2023	Pass
Violet	A	V500	100	34.97	474	2	0.0243	1110	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.03	-31.77	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.23	13.60 - 20.40	N/A	N/A	29.23	29.74	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10110

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments